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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	May 12	EXTEND option available in structure searching
NEWS 4	May 12	Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
NEWS 6	May 27	CAplus super roles and document types searchable in REGISTRY
NEWS 7	Jun 22	STN Patent Forums to be held July 19-22, 2004
NEWS 8	Jun 28	Additional enzyme-catalyzed reactions added to CASREACT
NEWS 9	Jun 28	ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R)
NEWS 10	Jul 12	BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS

NEWS EXPRESS	MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:04:41 ON 26 JUL 2004

=> file regis

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:04:59 ON 26 JUL 2004

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 25 JUL 2004 HIGHEST RN 716315-35-4
DICTIONARY FILE UPDATES: 25 JUL 2004 HIGHEST RN 716315-35-4

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

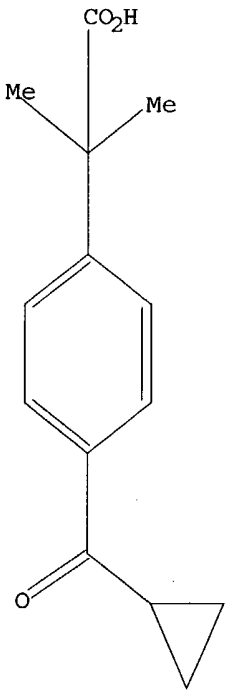
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\STNEXP4\QUERIES\10612637.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 full
FULL SEARCH INITIATED 11:05:28 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 157 TO ITERATE

100.0% PROCESSED 157 ITERATIONS 2 ANSWERS

10612637

SEARCH TIME: 00.00.01

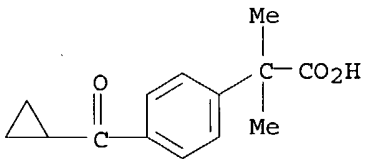
L2 2 SEA SSS FUL L1

=> d 1-2 l2

L2 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN
RN 162096-62-0 REGISTRY
CN Cinchonan-9-ol, (8α,9R)-, mono[4-(cyclopropylcarbonyl)-α,α-dimethylbenzeneacetate] (salt) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzeneacetic acid, 4-(cyclopropylcarbonyl)-α,α-dimethyl-, compd. with (8α,9R)-cinchonan-9-ol (1:1) (9CI)
FS STEREOSEARCH
MF C19 H22 N2 O . C14 H16 O3
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

CM 1

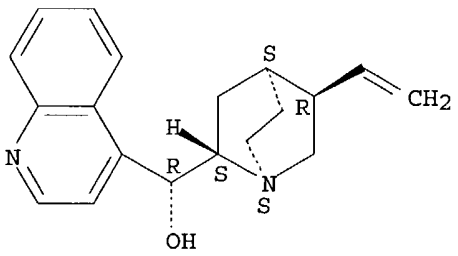
CRN 162096-54-0
CMF C14 H16 O3



CM 2

CRN 485-71-2
CMF C19 H22 N2 O

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN
RN 162096-54-0 REGISTRY
CN Benzeneacetic acid, 4-(cyclopropylcarbonyl)-α,α-dimethyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H16 O3

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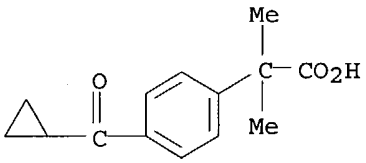
CI COM
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPAT2, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	159.38	159.59

FILE 'CAPLUS' ENTERED AT 11:06:17 ON 26 JUL 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 26 Jul 2004 VOL 141 ISS 5
FILE LAST UPDATED: 25 Jul 2004 (20040725/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l2 full
L3 6 L2

=> d 1-6 bib abs l3

L3 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:5929 CAPLUS
DN 138:73082
TI Preparation of 4-(cyclopropylcarbonyl)-α,α-dimethylphenylacetic acid
IN Ramesh, Dandala; Umashankar, Das; Divvela, Venkata Naga Srinivasa Rao; Meenakshi, Sunderam Sivakumaran

Jane Inventors

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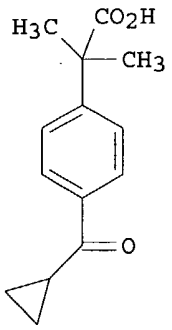
PA Aurobindo Pharma Limited, India
SO PCT Int. Appl., 16 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003000658	A1	20030103	WO 2002-IN135	20020619
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	SI 21232	C	20031231	SI 2002-20003	20020619
	EP 1401815	A1	20040331	EP 2002-745778	20020619
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2004521942	T2	20040722	JP 2003-507065	20020619
	BG 107476	A	20040130	BG 2003-107476	20030117
	US 2004077900	A1	20040422	US 2003-612637	20030702
PRAI	IN 2001-MA511	A	20010625		
	IN 2001-CH511	A	20010625		
	WO 2002-IN135	W	20020619		

GI



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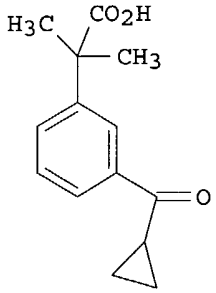

II

AB A process to obtain highly pure 4-(cyclopropylcarbonyl)-α,α-dimethylphenylacetic acid (I) through crystallization from a mixture of para and meta regioisomers of I and 3-(cyclopropylcarbonyl)-α,α-dimethylphenylacetic acid (II) in cyclohexane, whereby the amount of undesired meta isomer II is decreased to below 0.5%, is described. Compound I is converted in the invention to highly pure terfenadine carboxylate, which is a known antihistaminic (no data).

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:52000 CAPLUS
DN 136:102297
TI Regioselective process for the preparation of 4-[[(diphenylhydroxymethyl)piperidinyl]butanoyl]-α,α-

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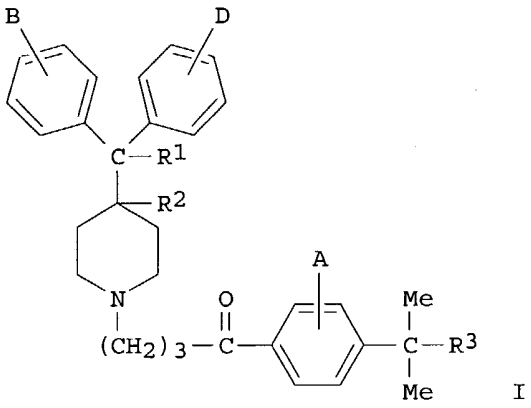
diphenylacetate derivatives as antiallergic agents
IN D'Ambra, Thomas E.
PA USA
SO U.S. Pat. Appl. Publ., 20 pp., Cont. of U.S. Ser. No. 356,172, abandoned.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002007068	A1	20020117	US 2001-758724	20010111
	US 2003018196	A1	20030123	US 2002-235052	20020904
PRAI	US 1999-356172	B1	19990716		
	US 1993-83102	B1	19930624		
	US 1995-382649	A1	19950202		
	US 1997-994357	A1	19971219		
	US 2001-758724	A1	20010111		

OS CASREACT 136:102297; MARPAT 136:102297
GI



I

AB Substantially pure piperidine derivs. I [wherein R1 = H or OH; R2 = H; or R1 and R2 taken together form a double bond; R3 = CO2H or CO2R4; R4 = alkyl containing 1-6 C atoms; A, B, and D = independently H, halo, alkyl, OH, alkoxy, or other substituents10], useful as antiallergic agents (no data), were prepared Thus, a mixture of Et 3- and 4-(chloro-1-oxobutyl)-α,α-dimethylphenyl acetate (preparation given) was treated with aqueous NaOH to give a mixture of the 3- and 4-cyclopropyloxomethyl derivs. Regioselective salt formation with cinchonidine, followed by recrystn, gave 4-(cyclopropyloxomethyl)-α,α-dimethylphenylacetic acid. Treatment with Me3SiI afforded 4-(4-iodo-1-oxobutyl)-α,α-dimethylphenylacetic acid, which was esterified with CH2N2 (96%). Coupling with α,α-phenyl-4-piperidinemethanol produced I [R1 = OH; R2 = H; R3 = CO2Me; A, B, and D = H] in 79% yield.

L3 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:408068 CAPLUS
DN 135:19556
TI Preparation of [(piperidinoalkanoyl)phenyl]propionates and analogs as antihistaminics
IN Krauss, Richard C.; Strom, Robert M.; Scortichini, Carey L.; Kruper, William J.; Wolf, Richard A.; Wu, Weishi W.; Carr, Albert A.; Hay, David A.; Rudisill, Duane E.; Panzone, Gianbattista

10612637

PA Merrell Pharmaceuticals Inc., USA
SO U.S., 60 pp., Cont.-in-part of U.S. Ser. No. 237,466.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6242606	B1	20010605	US 1994-275685	19940714
	CA 2166059	AA	19950105	CA 1994-2166059	19940526
	CA 2362337	AA	19950105	CA 1994-2362337	19940526
	CA 2362339	AA	19950105	CA 1994-2362339	19940526
	CN 1128987	A	19960814	CN 1994-193031	19940526
	HU 74092	A2	19961128	HU 1995-3705	19940526
	EP 1260504	A1	20021127	EP 2002-12626	19940526
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE				
	ES 2190442	T3	20030801	ES 1994-919264	19940526
	ZA 9404380	A	19950209	ZA 1994-4380	19940620
	IL 110086	A1	20010913	IL 1994-110086	19940622
	US 6147216	A	20001114	US 1995-458747	19950602
	AU 9915458	A1	19990624	AU 1999-15458	19990208
	AU 734870	B2	20010621		
	CN 1274711	A	20001129	CN 2000-101035	20000112
	US 2001018521	A1	20010830	US 2000-725291	20001129
	US 6566526	B2	20030520		
	US 20010201l4	A1	20010906	US 2000-725259	20001129
	US 6552200	B2	20030422		
	US 6340761	B1	20020122	US 2000-725298	20001129
	US 2001000038	A1	20010315	US 2000-726625	20001201
	US 6479663	B2	20021112		
	US 2002198407	A1	20021226	US 2000-726580	20001201
	US 6555689	B2	20030429		
	US 2002007085	A1	20020117	US 2000-729203	20001205
	US 6548675	B2	20030415		
	US 2001021791	A1	20010913	US 2000-731654	20001208
	US 6559312	B2	20030506		
	US 2002077482	A1	20020620	US 2001-818966	20010328
	US 6441179	B2	20020827		
	US 2001031895	A1	20011018	US 2001-824788	20010404
	US 6348597	B2	20020219		
	US 2003220496	A1	20031127	US 2003-364641	20030212
PRAI	US 1993-82693	B2	19930625		
	US 1993-144084	A2	19931027		
	US 1994-237466	A2	19940511		
	AU 1994-70466	A3	19940526		
	CA 1994-2166059	A3	19940526		
	EP 1994-919264	A3	19940526		
	US 1994-275685	A1	19940714		
	US 2000-725259	A3	20001129		

OS MARPAT 135:19556
GI

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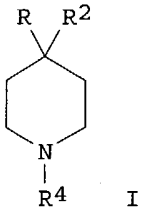

I

AB Title compds. [I; R = R1CPh2Om; R1 = H or OH; R2 = H; R1R2 = bond; R4 = (CH2)nZZ1CMe2R3; R3 = CO2H or alkoxycarbonyl; Z = CO or CH(OH); Z1 = (2-hydroxy) 1,4-phenylene; m = 0 or 1; N = 1-5] were prepared as antihistaminics (no data). Thus, PhCMe2CO2Me was acylated by Cl(CH2)3COCl and the product aminated by α,α-diphenyl-4-piperidinemethanol to give I.HCl [R = HOCPh2, R2 = H, R4 = (CH2)3COC6H4(CMe2CO2Me)-4].
RE.CNT 95 THERE ARE 95 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1997:315049 CAPLUS
DN 126:293268
TI Preparation of 4-[4-(4-diphenylmethoxy-1-piperidinyl)-1-oxo(or 1-hydroxy)butyl]-α,α-dimethylphenylacetic acids and its esters as antihistamines, antiallergy agents and bronchodilators
IN D'Ambra, Thomas E.
PA Albany Molecular Research, Inc., USA
SO PCT Int. Appl., 55 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9709983	A1	19970320	WO 1996-US13905	19960830
	W: AU, BR, CA, CH, DE, DK, ES, FI, GB, HU, JP, KR, MX, NO, NZ, RU, SE, UA, UG				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9671045	A1	19970401	AU 1996-71045	19960830
PRAI	US 1995-527273		19950912		
	WO 1996-US13905		19960830		

OS CASREACT 126:293268; MARPAT 126:293268
GI

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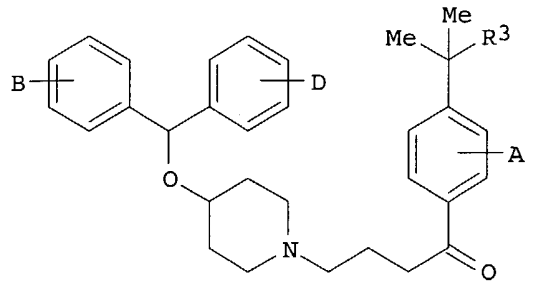

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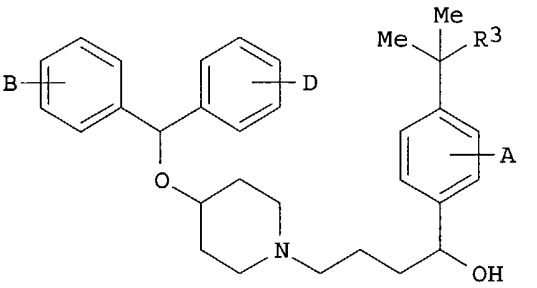

II

AB The title compds. [I and II; R3 = CO2H, CO2C1-6 alkyl; A, B, D = H, halo, alkyl, etc.], useful as antihistamines, antiallergy agents and bronchodilators, were prepared Thus, reaction of Me 4-(4-chloro-1-oxobutyl)-α,α-dimethylphenylacetate with 4-(diphenylmethoxy)piperidine in the presence of KHCO3 and KI in PhMe afforded 51% I [R3 = Me; A, B, D = H]. Compds. I are effective at 0.01-20 mg/kg/day.

L3 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1995:871983 CAPLUS
DN 123:285787
TI Preparation of [(hydroxybenzhydryl)piperidinoalkanoyl]phenylalkanoates and analogs as antihistaminics
IN Krauss, Richard C.; Strom, Robert M.; Scortichini, Carey L.; Kruper, William J.; Wolf, Richard A.; Carr, Albert A.; Rudisill, Duane E.; Panzone, Gianbattista; Hay, David A.; Wu, Weishi W.
PA Merrell Dow Pharmaceuticals Inc., USA
SO PCT Int. Appl., 236 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9500480	A1	19950105	WO 1994-US5982	19940526
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	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
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	EP 705245	B1	20030102		

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	HU 74092		A2	19961128	HU 1995-3705	19940526
	JP 08512028		T2	19961217	JP 1994-502831	19940526
	EP 1260504		A1	20021127	EP 2002-12626	19940526
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	ES 2190442		T3	20030801	ES 1994-919264	19940526
	ZA 9404380		A	19950209	ZA 1994-4380	19940620
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	FI 9506248		A	19960219	FI 1995-6248	19951222
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	AU 9915458		A1	19990624	AU 1999-15458	19990208
	AU 734870		B2	20010621		
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	NO 2003004811		A	19960226	NO 2003-4811	20031028
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	WO 1994-US5982		W	19940526		

OS MARPAT 123:285787

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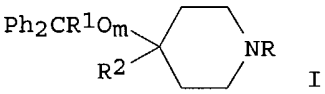

I

AB Title compds. I [R = (CH2)nWC6H3A(CMe2R3)-2,4; A, R1 = H or OH; R2 = H; R1R2 = bond; R3 = CO2H, alkoxycarbonyl, etc.; W = CO, CH(OH); m = 0 or 1; n = 1-5] were prepared as antihistaminics (no data). Thus, PhCMe2CO2Et was treated with Cl(CH2)3COCl and AlCl3 and the Ph cyclopropyl ketone product treated with HCl to give 4-[Cl(CH2)3CO]C6H4CMe2CO2Et which was condensed with azacyclonol to give I [R = (CH2)3COC6H4(CMe2CO2Et)-4, R1 = OH, R2 = H, m = 0].

L3 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1995:478306 CAPLUS
DN 122:239548
TI Regioselective preparation of terfenadine analogs.
IN D. Ambra, Thomas E.
PA Albany Molecular Research, Inc., USA
SO PCT Int. Appl., 58 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9500482	A1	19950105	WO 1994-US6873	19940621
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	JP 11236373	A2	19940621	JP 1998-269606	19940621
	JP 3195297	B2	20010806		
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	CA 2181089	C	20000523		

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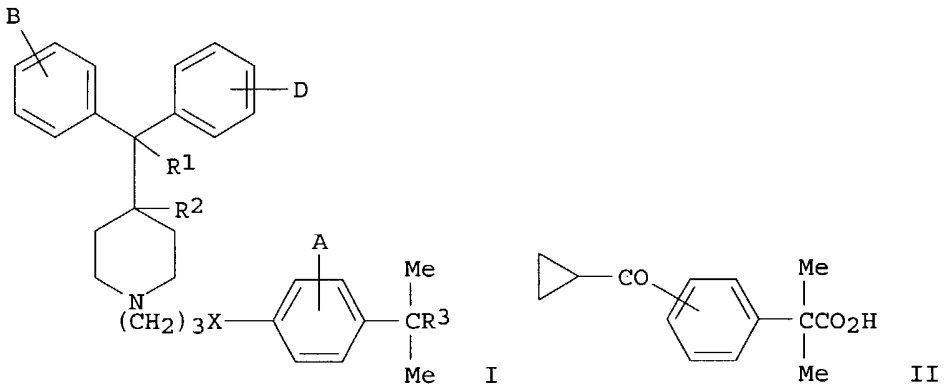

I II

AB The regioselective preparation of terfenadine analogs I (X = CO, CHOH; R1 = H, OH; R2 = H; R1R2 = bond; R3 = CO2H, CO2R4; R4 = C1-6 alkyl; A, B, D = H, halo, alkyl, OH, alkoxy, etc.) is described. The key steps in the preparation of I were AlCl3-catalyzed acylation of PhCMe2CO2Et with Cl(CH2)3COCl to give a mixture of 3- and 4-Cl(CH2)3COC6H4CMe2CO2Et followed by cyclization-hydrolysis with NaOH to give the 3- and 4-cyclopropylcarbonylphenylacetic acids II which were subsequently separated as their cinchonidine salts.

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=> s l3 and purification
        297972 PURIFICATION
L4           1 L3 AND PURIFICATION

=> s l3 and crystallization
        106875 CRYSTALLIZATION
L5           0 L3 AND CRYSTALLIZATION

=> d 1 bib abs l4

L4   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2004 ACS on STN
AN   2003:5929  CAPLUS
DN   138:73082
TI   Preparation of 4-(cyclopropylcarbonyl)-α,α-
     dimethylphenylacetic acid
IN   Ramesh, Dandala; Umashankar, Das; Divvela, Venkata Naga Srinivasa Rao;
     Meenakshi, Sunderam Sivakumaran
PA   Aurobindo Pharma Limited, India
SO   PCT Int. Appl., 16 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.        KIND  DATE          APPLICATION NO.  DATE
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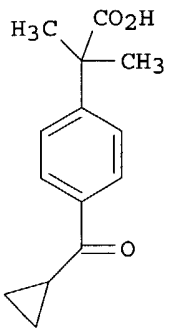

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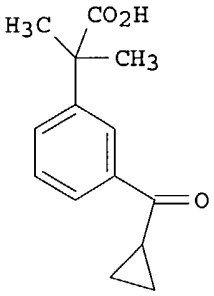

II

AB A process to obtain highly pure 4-(cyclopropylcarbonyl)-α,α-dimethylphenylacetic acid (I) through crystallization from a mixture of para and meta regioisomers of I and 3-(cyclopropylcarbonyl)-α,α-dimethylphenylacetic acid (II) in cyclohexane, whereby the amount of undesired meta isomer II is decreased to below 0.5%, is described. Compound I is converted in the invention to highly pure terfenadine carboxylate, which is a known antihistaminic (no data).

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT